

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
DECLARATION AND POWER OF ATTORNEY FOR JOINT INVENTORS
(Not Accompanying Application)**

As the below named coinventors, we hereby declare that:

Our residences, post office addresses and citizenships are as stated below next to our names. On March 30, 2000 we filed Application Serial No. 09/538,165 in the United States Patent and Trademark Office. We believe we are the original, first and joint inventors of the subject matter which is claimed and for which a patent is sought on the invention entitled as follows: GENETIC MARKERS FOR IMPROVED MEAT CHARACTERISTICS IN ANIMALS, the specification and drawings of which are attached hereto.

We hereby state that we have reviewed and understand the contents of the above identified specification and drawings, including the claims, as amended by any amendment referred to above.

We acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code Of Federal Regulations, Section 1.56. We further declare that no application for patent or inventor's certificate on this invention has been filed by us, our legal representatives or assigns in any country foreign to the United States of America except as identified below:

NONE.

We hereby appoint the attorneys of record listed under **Customer No. 22885** at ZARLEY, McKEE, THOMTE, VOORHEES & SEASE, 801 Grand Avenue, Suite 3200, Des Moines, Iowa 50309-2721 (telephone number 515-288-3667 and fax number 515-288-1338), as our attorneys to prosecute this application and to transact all business in the Patent Office connected therewith.

Please direct all correspondence to the attention of Heidi S. Nebel, Zarley, McKee, Thomte, Voorhees & Sease, 801

Grand Avenue, Suite 3200, Des Moines, Iowa, 50309-2721
(telephone number 515-288-3667).

We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

SIGNATURES

Inventor's signature: Max F. Rothschild

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STATEMENT UNDER 37 CFR 3.73(b)Applicant/Patent Owner: ROTHSCHILD, MAX F., et al.Application No./Patent No.: 09/538,165 Filed/Issue Date: March 30, 2000Entitled: GENETIC MARKERS FOR IMPROVED MEAT CHARACTERISTICS IN ANIMALS (MC4R)IOWA STATE UNIV. RESEARCH FOUNDATION, aUniversity

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or2. ☐ an assignee of less than the entire right, title and interest.The extent (by percentage) of its ownership interest is _____ %
in the patent application/patent identified above by virtue of either:A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was _____ recorded in the United States Patent and Trademark Office at Reel 010976, Frame 0286, or for which a copy thereof is attached.**OR**B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

2. From: _____ To: _____

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3. From: _____ To: _____

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Reel _____, Frame _____, or for which a copy thereof is attached.☐ Additional documents in the chain of title are listed on a supplemental sheet.☐ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

4/1/01

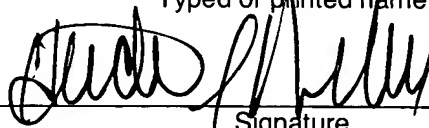
Date

HEIDI S. NEBEL

Typed or printed name

515-288-3667

Telephone number



Signature

Attorney, Reg. No. 37,719

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.